

**PATENT**  
Docket No. 5634.261

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John C. Harvey and James W.  
Cuddihy

Serial No.: 08/470,571

Filing Date: 6-Jun-95

For: Signal Processing Apparatus and  
Methods

Group Art Unit: 2602

Examiner:

Assistant Commissioner of Patents  
Washington D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

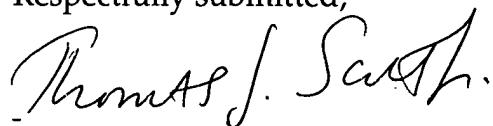
<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
08/113,329	August 30, 1993	Pending
08/056,501	May 3, 1993	5,335,277
07/849,226	March 10, 1992	5,233,654
07/588,126	September 25, 1990	5,109,414
07/096,096	September 11, 1987	4,965,825
06/829,531	February 14, 1986	4,704,725
06/317,510	November 3, 1981	4,694,490

Applicants believe that all references cited on the attached 1449 form were submitted to the PTO in U.S. Patent Application Serial No. 08/397,582 filed March 2, 1995. Therefore, no copies of the listed references are provided herewith. It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: January 31, 1996

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	Filing Date 6-Jun-95	Group 2602
<b>Title: Signal Processing Apparatus and Methods</b>		

### U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	2,510,046	5/30/50	Ellett, et al.	178/5.6	
	2,619,530	11/25/52	Roschke	178/5.1	
	2,892,882	6/30/59	Hughes	178/5.1	
	2,972,008	2/14/61	Ridenour, et al.	178/5.1	
	3,304,416	2/14/67	Wolf	235/92	
	3,336,437	8/15/67	Brouard, et al.	178/5.4	
	3,478,164	11/11/69	Southworth	178/6.6	
	3,576,391	4/27/71	Houghton	178/5.6	
	3,683,111	8/8/72	Southworth	178/6	
	3,726,992	4/10/73	Eguchi, et al.	178/5.6	
	3,728,480	4/17/73	Baer	178/6.8	
	3,743,767	7/3/73	Bitzer, et al.	178/5.6	
	3,875,329	4/1/75	Nagel	178/6.8	
	3,927,250	12/16/75	Rainger	178/5.6	
	3,950,607	4/13/76	Southworth, et al.	178/6	
	3,961,137	6/1/76	Hutt, et al.	178/68	

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	3,982,064	9/21/76	Barnaby	348/467	
	4,057,829	11/8/77	Moorehead	358/86	
	4,104,681	8/1/78	Saylor, et al.	358/141	
	4,148,066	4/3/79	Saylor	358/127	
	4,175,267	11/20/79	Tachi	358/4	
	4,199,656	4/22/80	Saylor	178/66.1	
	4,290,062	9/15/81	Marti, et al.	340/721	
	4,303,940	12/1/81	Ciciora	358/142	7/14/80
	4,303,941	12/1/81	Marti, et al.	358/147	5/6/80
	4,333,109	6/1/82	Ciciora	358/147	1/24/80
	4,335,402	6/15/82	Holmes	358/147	11/14/80
	4,347,618	8/31/82	Kavouras, et al.	375/37	6/30/80
	4,352,011	9/28/82	Guillou	235/375	1/23/80
	4,367,488	1/4/83	Leventer, et al.	358/147	5/1/81
	4,388,639	6/14/83	Cox, et al.	358/27	5/18/81
	4,393,376	7/12/83	Thomas	340/717	6/4/81

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	4,393,404	7/12/83	Cox, et al.	358/147	2/26/81
	4,400,717	8/23/83	Southworth, et al.	358/13	4/21/81
	4,439,761	3/27/84	Fleming, et al.	345/189	5/19/81
	4,449,145	5/15/84	Ciciora	358/147	6/13/83***

\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Nov. 3, 1981.

### Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation Yes	Translation No
	2 033 699	5/21/80	Great Britain	H04L 1/10, 1/40		X
	2 058 681	6/15/72	Germany	H04N 7/08	X	

### Other Documents

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	Powell, C., "Prestel: The Opportunity For Advertising," <u>Viewdata &amp; Videotext, 1980-81 A Worldwide Report/Transcript of Viewdata '80 First World Conference On Viewdata, Videotex, and Teletext</u> , March 26-28, 1980, pp. 233-246.
	Reuters, "TRANSMISSION PROTOCOL FOR REUTERS NEWS-VIEW," Aug. 1978, 2 pages.
	Bright, R., "The Telematique Programme in France," <u>Viewdata &amp; Videotext, 1980-81 A Worldwide Report/Transcript of Viewdata '80 First World Conference On Viewdata, Videotex, and Teletext</u> , March 26-28, 1980, pp. 19-24.
	Barlund, O., et al., "TELSET, the Finnish Viewdata System," <u>Viewdata &amp; Videotext, 1980-81 A Worldwide Report/Transcript of Viewdata '80 First World Conference On Viewdata, Videotex, and Teletext</u> , March 26-28, 1980, pp. 139-148.
	Hutt, P., "ORACLE-A Fourth Dimension in Broadcasting," <u>IBM Technical Review</u> , September 1976/9 Digital Television Developments, pp. 3-9.
	Hutt, P., "A System of Data Transmission in the Field Blanking Period of the Television Signal," <u>IBA Technical Review</u> , June 1973, Digital Television, pp. 37-44.
	Allora-Abbondi, G., "Transmission System Evaluation for Two-Way Cable," <u>IEEE Transactions on Cable Television</u> , Vol. CATV-4, No. 3, July 1979, pp. 111-118.
	Chorafas, D., "Interactive Videotex - The Domesticated Computer," 1981, pp. 171-183 & preface.
	Baer, R., "Innovative Add-On TV Products," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-25, November 1979, pp. 765-771.

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	Henderson, Jr., D., et al., "Issues in Message Technology," Proceedings, Fifth Data Communications Symposium, September 27-29, 1977, pp. 6-1 - 6-9.
	Schmodel, S., "TV Systems Enabling Viewers to Call Up Printed Data Catch Eye of Media Firms," newspaper article, <u>The Wall Street Journal</u> , Tuesday, July 24, 1979, p. 46.
	Braden, R., "A Server Host System on the ARPANET," Proceedings, Fifth Data Communications Symposium, September 27-29, 1977, p. 4-1 - 4-9.
	Proceedings, Fifth Data Communications Symposium, September 27-29, 1977, Table of Contents.
	Greenberg, B., et al., "VIMACS - A Vertical Interval Machine Control System," pp. 146-152.
	Dynamic Technology Limited, Vimacs, Machine Control and Data Transmission Systems, product description, 6 pages.
	Online Conference On Videotex, Viewdata, and Teletext, Conference Transcription, Table of Contents, 1980.
	Viewdata 81, the second World Conference on viewdata, videotex and teletext, Table of Contents for written papers presented at the Conference, October, 1981.
	Anderson, T., "The Vertical Interval: A General-Purpose Transmission Path," <u>IEEE Transactions On Broadcasting</u> , Vol. BC-17, No. 3, September 1971, pp. 77-82.
	"LSI circuits for teletext and viewdata, THE LUCY GENERATION," Mullard, Technical Publication M81-0001, June 1981.

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	Hedger, J., et al., "Telesoftware - Value Added Teletext," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, August 1980, pp. 555-566.
	Hedger, J., "Telesoftware: Using Teletext to Support a Home Computer," September 1978, pp. 273-276.
	Zenith, "VIRTEXT SYSTEM, VI.6, Hardware and Software Reference Manual," Zenith Radio Corporation, April 1981.
	Hedger, J., "Broadcast Telesoftware: Experience with ORACLE," 1980, pp. 413-429.
	Aston, M.H., "Viewdata-Implications for Education," 1980, pp. 467-476.
	de Weger, M., "VIRDATA DECODER V-2," circuit diagram, Jul. 1, 1981, 1 page.
	"VIRTEXT," circuit diagram, 1980, 1 page.
	"UK TELETEXT AND VIDEOTEX - The world's first established electronic information services available to the public," ORACLE - Ceefax, 12 pages.
	Lucas, K., "The Numerical Basis for ORACLE Transmission," <u>IBA Technical Review</u> , Vol. 9, September 1976, Digital Television Developments, pp. 10-16.
	Green, N., et al, "ORACLE on Independent Television," <u>IBA Technical Review</u> , Vol. 9, September 1976, Digital Television Developments, pp. 18-31.
	Green, N.W., "Computer Aided Programme Presentation," <u>IBA Technical Review</u> , Vol. 1, September 1972, pp. 55-64 .
	Beakhurst, D.J., et al., "Teletext and Viewdata - A Comprehensive Component Solution," Illustrations, <u>Proceedings</u> , IEE, Vol. 126, December 1979, pp. 1382-1385.

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	Chambers, J. P., "Enhanced UK Teletext Moves Towards Still Pictures," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, August 1980, pp. 527-554.
	Crowther, G.O., "Dynamically Redefinable Character Sets - D.R.C.S.," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, November 1980, pp. 707-716.
	Kaplinsky, C. H., "The D <sup>2</sup> B a One Logical Wire Bus for Consumer Applications," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-27, February 1981, pp. 102-109.
	Vivian, R. H., et al., "Telesoftware Makes Broadcast Teletext Interactive," pp. 277-280.
	Numaguchi, Y., et al., "Experimental Studies of Transmission Bit-Rate for Teletext Signal in the 525-Lane Television System," <u>IEEE Transactions on Broadcasting</u> , Vol. BC-25, December 1979, pp. 137-142.
	Arnold, W. F., "Britons Mull 'Magazine' Via TV," <u>Electronics</u> , February 5, 1976, pp. 68-69.
	"Telesoftware," <u>Systems International</u> , June 1980, p. 43.
	Baldwin, J. L. E., et al., "A Standards Converter Using Digital Techniques," <u>IBA Technical Review</u> , Vol. 3, June 1973, Digital Television, pp. 15-35.
	Hawker, P., "An Introduction to Integrated Circuits and Digital Electronics," <u>IBA Technical Review</u> , Vol. 3, June 1973, Digital Television, pp. 5-13.
	Baldwin, J. L. E., "The Digital Future of Television Studio Centres," <u>IBA Technical Review</u> , Vol. 3, June 1973, Digital Television, pp. 45-51.
	Bown, H. G., et al., "Comparative Terminal Realizations with Alpha-Geometric Coding," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, August 1980, pp. 605-614.

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	Hanas, O. J., et al., "An Addressable Satellite Encryption System for Preventing Signal Piracy," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-27, November 1981, pp. 631-635.
	Breeze, E. G., "Television Line 21 Encoded Information and Its Impact on Receiver Design," August 20, 1972, pp. 234-237.
	Lentz, J., et al., "Television Captioning for the Deaf Signal and Display Specifications," Report No.: E-7709-C, PBS Engineering and Technical Operations, May 1980.
	"Pulses on a Television Signal Control Stations in Network," <u>Electronics</u> , February 6, 1967, pp. 101-102.
	"Demonstration of the Principle of Data Transmission in the Vertical Interval of the Television Video Waveform," October 22, 1968, 4 pages.
	King, P. T., "A Novel TV Add-On Data Communication System," 5 pages.
	Pierce, W. D., et al., "A Low Cost Terminal for the 1980's: Project Green Thumb," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, August 1980, pp. 487-495.
	"CBS/CCETT North American Broadcast Teletext Specification," (Extended Antiope), May 20, 1981.
	Baer, W. S., "Interactive Television: Prospects for Two-Way Services on Cable," Rand Corporation, November 1971, pp. 1-88.
	Noirel, Y., et al., "Architecture of the French LSI Set for Antiope Teletext Decoders," pp. 134-144.

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	Beakhurst, D. J., et al., "Teletext and Viewdata - A Comprehensive Component Solution," <u>Proceedings, IEEE</u> , Vol. 126, December 1979, pp. 1374-1396.
	Money, S. A., et al., "Teletext Decoder Update - Part 1," <u>Television</u> , June 1979, pp. 407-409.
	Money, S. A., et al., "Teletext Decoder Update - Part 2," <u>Television</u> , June 1979, pp. 479-481.
	Money, S.A., et al., "Teletext Decoder Update - Part 3," <u>Television</u> , August 1979, pp. 538-541.
	Peters, H., "Teletext the Philips Way," <u>Television</u> , April 1980, pp. 298-301.
	Crowther, G. O., "Teletext and Viewdata Systems and Their Possible Extension to the USA," <u>Proceedings, IEE</u> , Vol. 126, No. 12, December 1979, pp. 1417-1424.
	Shortland, D., "Teletext with Infra-Red Remote Control," <u>Practical Electronics</u> , August 1980, pp. 39-44.
	Mokhoff, N., "Consumer Electronics," <u>Technology '80</u> , pp. 64-68.
	Government of Canada, Department of Communications, "Broadcast Specification: Television Broadcast Videotex," June 19, 1981.
	Insam, E., et al., "An Integrated Teletext and Viewdata Receiver," <u>The SERT Journal</u> , Vol. 11, October 1977, pp. 210-213.
	Thomas, H. B., et al., "Methods of Designing and Evaluating Videotex," <u>Online: A Transcript of the Online Conference on Videotex, Videodata and Teletext</u> , 1980, pp. 203-216.

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	Wright, J. B., et al., "An Evolutionary Approach to the Development of Two-Way Cable Technology Communication," <u>IEEE Transactions on Cable Television</u> , Vol. CATV-2, No. 1, January 1977, pp. 52-61.
	Fedida, S., et al., "Viewdata - The Post Office's Textual Information and Communications System," <u>Wireless World</u> , February 1977, pp. 32-35.
	Fedida, S., et al., <u>Videodata Revolution</u> , Halsted Press, New York, 1979, pp. 1-31 and 170-183.
	Clarke, K. E., "The Application of Picture Coding Techniques to Viewdata," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, August 1980, pp. 568-577.
	Blatt, J. et al., "The Promise of Teletext for Hearing Impaired Audiences," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, November 1980, pp. 717-722.
	Rupp, C. R., "A Stand-Alone CAI System Based on Procedural Grammars," <u>EASCON '76 Record</u> , September 1976, pp. 1153-A through 1153-Z.
	Vezza, A., et al., "An Electronic Message System: Where Does It Fit?," <u>Trends and Applications 1976: Computer Networks</u> , November 17, 1976, pp. 89-97.
	Myer, T. H., et al., "Message Technology in the Arpanet," <u>NTC '77</u> , 21: 2-1 through 2-8.
	Kuo, F. F., "Message Services in Computer Networks," <u>Interlinking of Computer Networks</u> , Reidel Publishing Co., 1978, pp. 387-395.
	Hagan, R., "Interworking Between Different Text Communication Services and Between Different Text Communication Networks," <u>NTC 1980 - Conference Record</u> , November 1980, pp. 28.5.1-28.5.6.

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	Rinde, J., "Packet Network Access in Electronic Mail System," <u>NTC 1980 - Conference Record</u> , November 1980, pp. 60.4.1-60.4.4.
	Wendlinger, F., et al., "Systems for Corporate Text Communication," <u>NTC 1980 - Conference Record</u> , November 1980, pp. 65.5.1-65.5.4.
	Naffah, N., "Communication Protocols for Integrated Office Systems," <u>Computer Networks</u> , Vol. 5, No. 6, 1981, pp. 445-454.
	Treves, S.R., et al., "Text, Image, and Data Integration In a Distributed Control Digital Voice Switching System," <u>ISS '81</u> , September 1981.
	Wiest, G., et al., "An Integrated Service Broadband Network for Voice, Text, Data and Video," <u>ISS '81</u> , September 1981.
	Dickson, E.M. et al., <u>The Video Telephone</u> , Praeger Publishers, 1973, pp. v. and 9-78.
	Rayner, B., "The Application of Switcher-Intelligent Interfaces to Video Tape Editing," <u>SMPTE Journal</u> , Vol. 88, October 1979, pp. 715-717.
	Everton, J.K., "A Hierarchical Basis for Encryption Key Management in a Computer Communications Network," <u>Conference Record - 1978 International Conference on Communications</u> , Vol. 3, pp. 46.4.1 through 46.4.7.
	Davies, D.W., et al., <u>Computer Networks and Their Protocols</u> , John Wiley & Sons, 1979, pp. v-xiii and 390-417.
	Popek, G.J., et al., "Encryption and Secure Computer Networks, <u>Computing Surveys</u> , Vol. 11, No. 4, December 1979, pp. 331-356.

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	Nelson, J., "Implementations of Encryption in an 'Open Systems' Architecture," <u>Proceedings</u> Computer Networking Symposium, December 1979, pp. 198-205.
	Lyons, R.E., "A Total AUTODIN System Architecture," <u>IEEE Transactions on Communications</u> , Vol. Com-28, No. 9, September 1980, pp. 1467-1471.
	Powers, S., et al., "Memo: An Application of Secret Key Cryptography and Public Key Distribution," <u>CompSac '80</u> , October 1980, pp. 821-827.
	Allgaier, G.R., et al., "Navy Command and Control (c <sup>2</sup> ) Using Local Networks," <u>NTC 1980 - CONFERENCE RECORD</u> , November 1980, Vol. 1, pp. 41.3.1 through 41.3.5.
	Kowalchuk, J., et al., "Communications Privacy: Integration of Public and Secret Key Cryptography." <u>NTC 1980 - CONFERENCE RECORD</u> , November 1980, pp. 49.1.1 through 49.1.5.
	Denning, D.E., et al., "Timestamps In Key Distribution Protocols," <u>Communications of the ACM</u> , Vol. 24, No. 8, August 1981, pp. 533-536.
	Chambers, J.P., et al., "The Development of a Coding Hierarchy for Enhanced UK Teltext." <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-27, No. 3, August 1981, pp. 536-540.
	Takizawa, M., et al., "Resource Integration and Data Sharing on Heterogeneous Resource Sharing System," <u>Evolutions In Computer Communications</u> , 1978, pp. 253-258.

Examiner	Date Considered
<b>Examiner:</b> <input type="checkbox"/> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Smith, R.G., et al., "Considerations for Microprocessor-based Terminal Design," <u>Conference Record - 12th Asilomar Conference on Circuits, Systems and Computers</u> , November 1978, pp. 437-441.
	Mowafi, O.A., et al., "Integrated Voice/Data Packet Switching Techniques for Future Military Networks," <u>Proceedings, Computer Networking Symposium</u> , 1979, pp. 216-223.
	Day, J.D., "Terminal Protocols," <u>IEEE Transactions on Communications</u> , Vol. COM-28, No. 4, April 1980, pp. 585-593.
	Rosen, E.C., "The Updating Protocol of ARPANET's New Routing Algorithm," <u>Computer Networks</u> , Vol. 4, 1980, pp. 11-19.
	Hasuike, K., et al., "Text and Facsimile Integrated Terminal," <u>NTC 1980-Conference Record</u> , 1980, p. 60.5.1 through 60.5.5.
	Cerf, V.G., et al., "An Experimental Service for Adaptable Data Reconfiguration," <u>IEEE Transactions on Communications</u> , Vol. COM-20, No. 3, June 1972, pp. 557-564.
	Croll, R.H., et al., "A Distributed Data Acquisition and Processing System for Multiple Aerospace Test Facilities," <u>Proceedings of the 26th Int'l Instrumentation Symposium</u> , May 1980, pp. 287-295.
	Tsay, D.P., et al., "Design of a Robust Network Front-End for the Distributed Double-Loop Computer Network," <u>Distributed Data Acquisition, Computing, and Control Symposium</u> , December 1980, pp. 141-155.
	Glorieux, A.M., et al., "Distributing a Line System into a Distributed Data Base Management System: Sirius-Delta Experience," <u>Proceedings - Computer Networking Symposium</u> , December 1980, pp. 19-25.

Examiner	Date Considered
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Chambers, J.P., "Potential of Extended Teletext," <u>Television: Journal of the Royal Television Society</u> , September/October 1980, pp. 43-45.
	Chambers, J.P., "Teletext - The Potential of an Extended System," pp. 114-117.
	Pandey, K., "Advanced Teletext Systems," pp. 262-265.
	Hartung, R.L., et al., "Virtual I/O - An Experiment," <u>Sigmicro Newsletter</u> , Vol. 10, No. 4, December 1979, pp. 109-113.
	Daniels, J.F., "Wireless World Teletext Decoder," <u>Wireless World</u> , December 1975, pp. 563-566.
	"Microprocessor Smartens Teletext," <u>Electronics</u> , September 28, 1978, pp. 74.
	Sowter, B., "Vision of the Future," <u>International Broadcast Engineer</u> , December 1977/January 1978, pp. 13-19.
	VIMACS - Machine Control and Data Transmission System, Advertisement, 3 pages.
	O'Connor, R.A., "Current Usage of Vertical Interval Test Signals in Television Broadcasting," <u>IEEE Transactions on Consumer Electronics</u> , August 1976, pp. 220-229.
	Solomon, B., "New World of T.V. Reception," <u>Popular Electronics</u> , May 1979.
	Setos, A., "WASEC'S Network Operations Center," <u>Cable: '81</u> , May 1981, pp. 52-54.
	Beakley, G.W., et al., "Cable and Earth Stations - A Business Connection," <u>Cable: '81</u> , May 1981, pp. 108-113.
	"Petition for Rulemaking of United Kingdom Teletext Industry Group," Before the Federal Communications Commission, March 26, 1981, 139 pages.

Examiner	Date Considered
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	"Software Specification for Monitoring the Use of Teletext," Norpak Limited, November 1980, 4 pages.
	Wegner, R., "The 1980's - A New Era for the Data Display System," pp. 62-64.
	"Vidata - 2105/Interface," 9 pages.
	"Vidata - 352/BNC Connectors," Wegener Communications, Inc., 8 pages.
	Taylor, E.L, "Teletext v. Videotext: Pros and Cons and What's Really Going On," For TVC Magazine, 6 pages.
	Service Bulletin, To All CableText Customers with Zenith Virtext Decoders, November 14, 1980, 8 pages.
	Thomas, W., "Zenith Videotex/Teletext Review, "3 pages.
	Sullivan, W., "Cabletext: Into Second Year and Developing," Satellite Communications Corp., 4 pages.
	Vidata Interface Cable (Vidata 2105).
	Gallagher, E.F., "Digital Time Division Switching for Military Communications," <u>IEEE Transactions on Communications</u> , Vol. COM-27, No. 7, July 1979, pp. 1138-1143.
	Roth, M., "Security Alert a Two-Way Digital Communications System," <u>Official Transcript - 20th Annual NCTA Convention</u> , July 1971, pp. 500-506.
	Zenith Text Products, Advertisement, 4 pages.
	Gardner, T., "Viewers Given Equal Time to Talk Back to TV Sets," August 1977.

Examiner	Date Considered
----------	-----------------

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Campbell, S., "Step Ahead of Future TV Market," <u>The Register</u> , October 26, 1978.
	Bown, H.G., et al., "Picture Description Instructions PDI for the Telidon Videotex System," Department of Communications, Canada, November 1979, pp. 1-71.
	"An Example of Aggressive Subcarrier Loading," Table, United Video Inc.
	Livaditis, E., et al., "Optimizing Subcarriers for Satellite Transmission," <u>National Cable Television's 30th Annual Convention and Exposition</u> , May 1981, 6 pages.
	Gunn, H., et al., "A Public Broadcaster's View of Teletext in the United States."
	Fraser, J., "From 'Pots' to 'Pans' - Videotex Development in Canada," <u>OnLine Conference on Viewdata Services</u> , March 1980, pp. 1-10.
	Parkhill, D.F., "An Overview of the Canadian Scene," <u>Viewdata '80</u> , March 1980, pp. 1-12.
	Maguire, W.T., "Videotex and the Newspaper Business," American Newspaper Publishers Association.
	Wilson, L.G., "Vista: Leading to the Successful Implementation of Videotex in Canada," <u>OnLine Conference On Viewdata Services</u> , March 1980.
	Guillermi, J., "Development & Applications of the Antiope-Didon Technology," <u>Viewdata '80</u> , March 1980, pp. 29-38.
	Haines, A.R., "IVS-3 as a Private Viewdata System," <u>Viewdata '80</u> , March 1980, pp. 323-336.

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Haslam, G., "Information Provider Activities in Canada," <u>Viewdata '80</u> , March 1980, pp. 1-6.
	Heys, E.A., et al., "STC's Approach to In-House Viewdata Systems, <u>Viewdata '80</u> , March 1980, pp. 313-322.
	Inoue, R., "The Index System of the CAPTAIN System Experimental Service," <u>Viewdata '80</u> , March 1980, pp. 113-122.
	Kumamoto, T., et al., "CAPTAIN System Features - Presentation Capability and Transmission Method," <u>Viewdata '80</u> , March 1980, pp. 93-105.
	Kurushima, N., "The Cooperative Association of CAPTAIN Information Providers and Present State of Information Supply for the Experimental Service," <u>Viewdata '80</u> , March 1980, pp. 123-132.
	Marti, B., "Broadcast Text Information in France," <u>Viewdata '80</u> , March 1980, pp. 359-370.
	Maury, J.P., "Plans and Projection for the Electronic Directory Service," <u>Viewdata '80</u> , March 1980, pp. 39-50.
	Messerschmid, U., "Teletext in the Federal Republic of Germany," <u>Viewdata '80</u> , March 1980, pp. 431-445.
	Montague, P.M., "The Electronic Newspaper," <u>Viewdata '80</u> , March 1980, pp. 63-71.
	Morgan, G., "Britains Teletext Services are a Commercial Success, " <u>Viewdata '80</u> , March 1980, pp. 341-357.

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Park, R.F., "The Role of Viewdata in Electronic Funds Transfer," <u>Viewdata '80</u> , March 1980, pp. 185-201.
	Ruiten, P.J.G.M., "Viewdata in the Netherlands," <u>Viewdata '80</u> , March 1980, pp. 133-138.
	Sedman, E.C., "The Use of MicroCobol for Telesoftware," <u>Viewdata '80</u> , March 1980, pp. 399-411.
	Shrimpton, W., "International Business Applications of Viewdata," <u>Viewdata '80</u> , March 1980, pp. 147-158.
	Smirle, J.C., et al., "International Videotex Standardization: A Canadian View of Progress Towards the Wired World," <u>Viewdata '80</u> , March 1980, pp. 271-280.
	Smith, M.G., "Prestel - The Private System or Both?," <u>Viewdata '80</u> , March 1980, pp. 337-339.
	Tantawi, A.N., et al., "Workstations in the Electronic Office," <u>Viewdata '80</u> , March 1980, pp. 159-171.
	Termens, M., "Teletel - The Planned French Videotex Service," <u>Viewdata '80</u> , March 1980, pp. 25-28.
	Troughton, P., "Prestel Operational Strategy," <u>Viewdata '80</u> , March 1980, pp. 51-62.
	Watson, K., "Prestel User Market Research," <u>Viewdata '80</u> , March 1980, pp. 281-284.
	Winsbury, R., "Prestel as a publishing medium: the elements of success or failure," <u>Viewdata '80</u> , March 1980, pp. 285-293.

Examiner	Date Considered
----------	-----------------

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Woolfe, R., "The emerging markets for videotex," <u>Viewdata '80</u> , March 1980, pp. 217-231.
	Yasuda, K., "Conception of CAPTAIN System - Background, Experiment and Future Plans," <u>Viewdata '80</u> , March 1980, pp. 107-111.
	Zimmerman, R., "Future Utilization of Interactive and Broadcast Videotex in Germany and its Effects on Standardization," <u>Viewdata '80</u> , March 1980, pp. 263-269.
	Adams, D.M., "The Place of Viewdata in Relation to Other Communications Techniques in the Travel Industry: A Personal View," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 379-397.
	Barren, J., "Electronic Publishing and the Government," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 295-300.
	Berkman, S., "A Videotex Trial," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 447-460.
	Bochmann, G.V., et al., "Towards Videotex Standards," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 253-262.
	Botten, B., "Providing Business Information to Prestel," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 73-81.
	Bown, H.G., et al., "Telidon Technology Development in Canada," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980, pp. 547-558.
	Ciciora, W.S., "The Role of the Television Receiver Manufacturer in the United States," <u>Viewdata &amp; Videotext, 1980-81: A Worldwide Report</u> , 1980 pp. 533-546.

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Bowers, P.G., et al., "Telidon and Education in Canada," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 7-17.
	Camrass, R., "Viewdata: A Practical Medium for Electronic Mail," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 173-184.
	Castell, S., "Prestel and the Law," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 301-312.
	Clarke, K.E., "What Kind of Pictures for Videotex?," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 83-92.
	Courtney, J.F., "Videotel," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 371-377.
	Davis, M., "Prestel and the Travel Industry," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 595-602.
	Korda, A., "Private Viewdata Systems," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 515-521.
	Maslin, J.M., "An evaluation of viewdata for training in industry," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 523-531.
	Morioka, F.K., "An Experiment with Computer-Based Educational Services in a General Public Environment," <u>Viewdata &amp; Videotext. 1980-81: A Worldwide Report</u> 1980, pp. 613-623.
	Chambers, J.P., "Potential of Extended Teletext," <u>Television: Journal of the Royal Television Society</u> , September/October 1980, pp. 43-45.

Examiner	Date Considered
----------	-----------------

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Ciciora, W.S., "Twenty-Four Rows of Videotex in 525 Scan Lines," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-27, No. 4, November 1981, pp. 575-587.
	Ciciora, W.S., "Virtext & Virdata - A Present U.S. Teletext Application," <u>Videotex '81</u> , May 1981, pp. 77-84.
	Johnson, G.A., et al., "The Networking of Oracle," pp. 27-36.
	Mullard Application Laboratory, "Integrated Circuits for Receivers," pp. 43-56.
	Lambourne, A.D., "NEWFOR - An Advanced Subtitle Preparation System," pp. 57-63.
	<u>Keyfax - National Teletext Magazine</u> , Advertisement, 4 pages.
	<u>Keyfax - National Teletext Magazine</u> , Technical Bulletin, 1 page.
	<u>Keyfax</u> , Keyfax by Satellite, Advertisement, 2 pages.
	ORACLE, Advertisement Rate Card No. 1, September 1, 1981, 8 pages.
	"Multi-Level Teletext and Interactive Videotex," Operational Systems Worldwide, Information Sheets.
	"Brighton's Experience with Educational Software for Broadcast," 10 pages.
	CCITT, "Recommendation S.100 - International Information Exchange for Interactive Videotex," Geneva, 1980, pp. 165-205.
	KSL-TV-Salt Lake City, Utah, Press Release About Teletext Signal, pp. 1-7d.
	CBS/CCETT, "North America Broadcast Teletext Specification," June 22, 1981, pp. 1-240.

Examiner	Date Considered
----------	-----------------

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### Other Documents

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	Crudele, J., "TI Tests Home Information System," <u>Electronic News</u> , November 6, 1978, pp. 24-25.
	"Systems -NABTS-NAPLPS," VSA - Videographic, Advertisement, 5 pages.
	"Now," World System Teletext, Advertisement, 6 pages.
	"Context" A Complete Teletext Origination System Developed By Logica and the BBC, Advertisement," 8 pages.
	Dages, C.L., "Videotex Services via CATV - Hybrid Systems Approach," pp. 14-25.
	Rogers, B.J., "The Broadcasting Options for Data Transmission Methods in Public Service Broadcasting," pp. 1-3.
	Williams, D., "Oak, Micro TV in Talks for Teletext," <u>Electronic News</u> , Nov. 13, 1978, pp. 25 & 88.
	"U.S. TV Station to Write Viewdata Software Link," newspaper article, Jan. 22, 1979, p. 81.
	Barbetta, F., "CBS Joins EIA in Test of Foreign TV Data System," newspaper article, 1979, p. 23.
	Hershberger, S., "Form Mktg. Unit for Antiope System," newspaper article, Apr. 2, 1979, p. 27.
	Hershberger, S., "Say French in Talks on Teletext," newspaper article, May 14, 1979, p. 48.

Examiner	Date Considered
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### U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date*
	2,875,270	2/24/59	Wendt et al.	178/5.1	
	3,440,427	4/22/69	Kammer	250/210	
	3,485,946	12/23/69	Jackson et al.	178/6	
	3,500,327	3/10/70	Belcher et al.	340/154	
	3,560,936	2/2/71	Busch	340/172.5	
	3,564,509	2/16/71	Perkins et al.	340/172.5	
	3,602,891	8/31/71	Clark et al.	340/172.5	
	3,651,471	3/21/72	Haselwood et al.	340/172.5	
	3,696,297	10/3/72	Otero	325/55	
	3,712,956	1/23/73	Lemelson	178/6.6A	
	3,733,431	5/15/73	Kirk, Jr., et al.	178/5.1	
	3,836,888	9/17/74	Boenke et al.	340/172.5	
	3,848,082	11/12/74	Summers	178/5.6	
	3,849,729	11/19/74	Van Baggem	325/31	
	3,889,054	6/10/75	Nagel et al.	178/6.8	
	3,906,450	9/16/75	Prado, Jr.	340/150	
	3,936,868	2/3/76	Thorpe	358/22	

Examiner	Date Considered
----------	-----------------

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**U. S. Patent Documents**

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	3,947,624	3/30/76	Miyake	178/6	
	3,947,972	4/6/76	Freeman	35/8 A	
	3,973,206	8/3/76	Haselwood et al.	325/455	
	3,982,065	9/21/76	Barnaby et al.	178/5.8	
	3,984,637	10/5/76	Caudill et al.	179/2	
	3,987,397	10/19/76	Belcher et al.	325/308	
	3,996,583	12/7/76	Hutt et al.	340/324	
	4,016,361	4/5/77	Pandey	358/83	
	4,026,555	5/31/77	Kirschner et al.	273/85	
	4,032,972	6/28/77	Saylor	358/142	
	4,042,958	8/16/77	Saylor et al.	358/141	
	4,048,562	9/13/77	Haselwood et al.	325/31	
	4,052,719	10/4/77	Hutt et al.	340/324	
	4,055,848	10/25/77	Fearnside	358/8	
	4,064,490	12/20/77	Nagel	364/200	
	4,074,315	2/14/78	Kawamura et al.	358/142	
	4,078,316	3/14/78	Freeman	35/8 A	

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### U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	4,081,832	3/28/78	Sherman	358/124	
	4,096,524	6/20/78	Scott	358/85	
	4,099,258	7/4/78	Parsons	364/900	
	4,117,605	10/3/78	Kurland et al.	35/9 A	
	4,120,003	10/10/78	Mitchell et al.	358/142	
	4,134,127	1/9/79	Campioni	358/16	
	4,135,213	1/16/79	Wintfeld et al.	358/142	
	4,139,860	2/13/79	Micic et al.	358/22	
	4,144,495	3/13/79	Metzger	325/4	
	4,161,728	7/17/79	Insam	340/750	
	4,162,513	7/24/79	Beyers, Jr. et al.	358/191	
	4,178,613	12/11/79	Takahashi et al.	358/183	
	4,203,130	5/13/80	Doumit et al.	358/1	
	4,218,698	8/19/80	Bart et al.	358/22	
	4,228,543	10/14/80	Jackson	455/181	
	4,231,031	10/28/80	Crowther et al.	340/695	
	4,233,628	11/11/80	Ciciora	358/147	

Examiner	Date Considered
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	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date 6-Jun-95	Group 2602

### U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	4,243,984	1/6/81	Ackley et al.	340/703	
	4,245,252	1/13/81	Nagumo	358/213	
	4,249,211	2/3/81	Baba et al.	358/183	
	4,261,006	4/7/81	Weintraub et al.	358/3	
	4,270,145	5/26/81	Farina	358/188	
	4,278,973	7/14/81	Hughes et al.	340/721	
	4,278,993	7/14/81	Suzuki	358/22	
	4,308,558	12/29/81	Hernandez et al.	358/142	5/22/80
	4,315,282	2/9/82	Schumacher	358/107	9/11/80
	4,320,256	3/16/82	Freeman	179/6.04	11/27/79
	4,337,485	6/29/82	Chambers	358/147	9/24/80
	4,344,090	8/10/82	Belisomi et al.	358/183	9/13/79
	4,361,848	11/30/82	Poignet et al.	358/1	5/17/79
	4,374,395	2/15/83	Herrmann et al.	358/22	12/24/80
	4,377,870	3/22/83	Anderson et al.	455/2	12/21/78
	4,413,281	11/1/83	Thonnart	358/147	6/26/81
	4,420,656	12/13/83	Freeman	179/6.04	8/24/81

Examiner	Date Considered
----------	-----------------

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**U. S. Patent Documents**

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	4,420,769	12/13/83	Novak	358/139	3/22/78
	4,422,486	12/27/83	Maret	144/117R	1/21/81
	4,430,669	2/7/84	Cheung	358/122	5/29/81
	4,433,379	2/21/84	Schenk et al.	364/200	9/29/80
	4,443,660	4/17/84	DeLong	178/22.04	2/10/82***
	4,449,114	5/15/84	Fascenda et al.	340/988	3/26/82***
	4,531,021	7/23/85	Bluestein et al.	178/22.08	8/13/84***
	4,860,379	8/22/89	Schoeneberger et al.	455/5	10/20/88***
	Re. 31,977	8/27/85	Ott	364/200	8/19/83***
	Re. 32,187	6/17/86	Barda et al.	340/706	6/3/81

\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Nov. 3, 1981.

**Foreign Patent Documents**

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation	
					Yes	No
	1,066,931	4/26/67	Great Britain	G 07c		No

Examiner	Date Considered
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<b>Title: Signal Processing Apparatus and Method</b>		

### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Glover, S. "Automatic Switching at the Edmonton Television Studios," <u>SMPTE Journal</u> , November 1966, Vol. 75, pp. 1089-1092.
	Barlow, M.W.S., "The Remote Control of Multiplexed Telecine Chains," <u>SMPTE Journal</u> , April 1971, Vol. 80, pp. 270-275.
	Campbell, Keith D., "An Automated Video-Tape Editing System," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 191-194.
	Bonney, R.B. et al., "A Proposed Standard Time and Control Code for Video-Tape Editing," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 186-190.
	Barlow, M., Letter to the Editor, "Re: Coding and Packaging Film for Broadcasting," <u>Journal of the SMPTE</u> , October 1969, Vol. 78, p. 889.
	Barlow, M., Letter to the Editor, "Re: Automation of Telecine Equipment," <u>Journal of the SMPTE</u> , April 1970, Vol. 79, pp. 345-346.
	Matley, J. Brian, "A Digital Framestore Synchronizer," <u>SMPTE Journal</u> , June 1976, Vol. 85, pp. 385-388.
	Connolly, W.G. et al., "The Electronic Still Store: A Digital System for the Storage and Display of Still Pictures," <u>SMPTE Journal</u> , August 1976, Vol. 85, pp. 609-613.
	Sadashige, K., "Overview of Time-Base Correction Techniques and Their Applications," <u>SMPTE Journal</u> , October 1976, Vol. 85, pp. 787-791.
	Siocos, C.A., "Satellite Technical and Operational Committee - Television (STOC-TV) Guidelines for Waveform Graticules," <u>SMPTE Journal</u> , November 1976, Vol. 85, pp. 878-879.
	"Index to Subjects - January-December 1976 • Volume 85," 1976 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 85, pp. I-5 to I-13, I-15.
Examiner	Date Considered

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Rodgers, Richard W., "Design Considerations for a Transmission and Distribution System for SMPTE Time-Code Signals," <u>SMPTE Journal</u> , February 1977, Vol. 86, pp. 69-70.
	Allan, J.J., III, et al., "A Computer-Controlled Super-8 Projector," <u>SMPTE Journal</u> , July 1977, Vol. 86, pp. 488-489.
	"Index to Subjects - January-December 1977 • Volume 86," 1977 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 86, pp. I-5 to I-14.
	Hamalainen, K.J., "Videotape Editing Systems Using Microprocessors," <u>SMPTE Journal</u> , June 1978, Vol. 87, pp. 379-382.
	McCoy, Reginald F.H., "A New Digital Video Special-Effects Equipment," <u>SMPTE Journal</u> , January 1978, Vol. 87, pp. 20-23.
	Leonard, Eugene, "Considerations Regarding the Use of Digital Data to Generate Video Backgrounds," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 499-504.
	Swetland, George R., "Applying the SMPTE Time and Control Code to Television Audio Post Production," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 508-512.
	Moore, J.K., et al., "A Recent Innovation in Digital Special Effects, The CBS 'Action Track' System," <u>SMPTE Journal</u> , October 1978, Vol. 87, pp. 673-676.
	Connolly, William G., "Videotape Program Production at CBS Studio Center," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 761-763.
	Nicholls, William C., "A New Edit Room Using One-Inch Continuous-Field Helical VTRs," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 764-766.
	"Index to Volume 87 January-December 1978," <u>SMPTE Journal</u> , Part II to January 1979 <u>SMPTE Journal</u> , pp. I-1, I-4 to I-14.

Examiner	Date Considered
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Wetmore, R. Evans, "System Performance Objectives and Acceptance Testing of the Public Television Satellite Interconnection System," <u>SMPTE Journal</u> , February 1979, Vol. 88, pp. 101-111.
	Bates, George W., "Cut/Lap: A New Method for Programmable Fades and Soft Edit Transitions Using a Single Source VTR," <u>SMPTE Journal</u> , March 1979, Vol. 88, pp. 160-161.
	Douglas, W. Gordon, "PBS Satellite Interconnection Technical Operations and Maintenance," <u>SMPTE Journal</u> , March 1979, Vol. 88, pp. 162-163.
	Oliphant, Andrew et al., "A Digital Telecine Processing Channel," <u>SMPTE Journal</u> , July 1979, Vol. 88, pp. 474-483.
	Bates, George W. et al., "Time Code Error Correction Utilizing a Microprocessor," <u>SMPTE Journal</u> , October 1979, Vol. 88, pp. 712-715.
	Geise, Heinz-Dieter, "The Use of Microcomputers and Microprocessors in Modern VTR Control," <u>SMPTE Journal</u> , December 1979, Vol. 88, pp. 831-834.
	"Index to Subjects - January-December 1979 • Volume 88," 1979 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 88, pp. I-4 to I-10.
	"Advanced Transmission Techniques," <u>SMPTE Journal</u> , Report on the 121st Technical Conference, January 1980, Vol. 89, pp. 31-32.
	"Anderson: Progress Committee Report for 1979 - Television," <u>SMPTE Journal</u> , May 1980, Vol. 89, pp. 324-328.
	<u>SMPTE Journal</u> , May 1980, Vol. 89, p. 391, no title.
	"The TCR-119 Reader," Gray Engineering Laboratories, <u>SMPTE Journal</u> , May 1980, Vol. 89, p. 438, (advertisement).

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Hopkins, Robert S., Jr., "Report of the Committee on New Technology," <u>SMPTE Journal</u> , June 1980, Vol. 89, pp. 449-450.
	Limb, J.O. et al., "An Interframe Coding Technique for Broadcast Television," <u>SMPTE Journal</u> , June 1980, Vol. 89, p. 451.
	"Preliminary List of Papers," <u>SMPTE Journal</u> , September 1980, Vol. 89, p. 677.
	Davis, John T., "Automation of a Production Switching System," <u>SMPTE Journal</u> , October 1980, Vol. 89, pp. 725-727.
	"Video Tape Recording Glossary," <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 733.
	Advertisement, "CTVM 3 series of Barco master control color monitors", "Barco TV Modulator, Model VSBM 1/S", "VICMACS Type 1724 Vertical Interval Machine Control System", "Videotape Editing Controllers by US JVC Corp., RM-70U, RM-82U, RM-88U", <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 820 et seq.
	Ciciora, Walter, "Teletext Systems: Considering the Prospective User," <u>SMPTE Journal</u> , November 1980, Vol. 89, pp. 846-849.
	Hathaway, R.A. et al., "Development and Design of the Ampex Auto Scan Tracking (AST) System," <u>SMPTE Journal</u> , December 1980, Vol. 89, p. 931.
	Connor, Denis J., "Network Distribution of Digital Television Signals," <u>SMPTE Journal</u> , December 1980, Vol. 89, pp. 935-938.
	"Index to Subjects - January-December 1980 • Volume 89," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-5 to I-11.
	"Index to SMPTE-Sponsored American National Standards, Society Recommended Practices, and Engineering Committee Recommendations," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-15 to I-20.
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Table of Contents, <u>SMPTE Journal</u> , February 1981, Vol. 90, Number 2, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , March 1981, Vol. 90, Number 3, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , April 1981, Vol. 90, Number 4, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , May 1981, Vol. 90, Number 5, 1 page.
	“Television,” <u>SMPTE Journal</u> , May 1981, pp. 375-379.
	Table of Contents, <u>SMPTE Journal</u> , January 1981, Vol. 90, Number 1, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , June 1981, Vol. 90, Number 6, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , July 1981, Vol. 90, Number 7, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , August 1981, Vol. 90, Number 8, 1 page.
	“American National Standard” “time and control code for video and audio tape for 525-line/60-field television systems,” <u>SMPTE Journal</u> , August 1981, pp. 716-717.
	Table of Contents, <u>SMPTE Journal</u> , September 1981, Vol. 90, Number 9, 1 page.
	“Proposed SMPTE Recommended Practice” “Vertical Interval Time and Control Code for Video Tape for 525-Line/60-Field Television Systems,” <u>SMPTE Journal</u> , September 1981, pp. 800-801.
	Table of Contents, <u>SMPTE Journal</u> , October 1981, Vol. 90, Number 10, 1 page.
	Kaufman, Paul A. et al., “The Du Art Frame Count Cueing System,” <u>SMPTE Journal</u> , October 1981, pp. 979-981.

Examiner	Date Considered
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### Other Documents

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	"American National Standard" "dimensions of video, audio and tracking control records on 2-in video magnetic tape quadruplex recorded at 15 and 7.5 in/s," <u>SMPTE Journal</u> , October 1981, pp. 988-989.
	Table of Contents, <u>SMPTE Journal</u> , November 1981, Vol. 90, Number 11, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , December 1981, Vol. 90, Number 12, 1 page.
	Powers, Kerns H., "A Hierarchy of Digital Standards for Teleproduction in the Year 2001," <u>SMPTE Journal</u> , December 1981, pp. 1150-1151.
	"Application of Direct Broadcast Satellite Corporation for a Direct Broadcast Satellite System," Before the Federal Communications Commission, Washington, D.C., Gen. Docket No. 80-603, July 16, 1981.
	Taylor, John P., "Comsat bid to FCC for DBS authorization: Questions of finances, 'localism,' monopoly," <u>Television/Radio Age</u> , May 4, 1981, pp. 42-44 and 80-81.
	Taylor, John P., "Fourteen DBS authorization applications to FCC differ greatly in both structure and operations," <u>Television/Radio Age</u> , Oct. 5, 1981, pp. 40-42 and 116-119.
	Taylor, John P., "Comsat bid to FCC for DBS authorization: Is direct broadcasting the wave of the future?", <u>Television/Radio Age</u> , Mar. 23, 1981, pp. A-22-24 and A-26 and A-28-31.
	"SMPTE Journal Five-Year Index 1971-1975," <u>SMPTE Journal</u> .
	"SMPTE Journal Five-Year Index 1976-1980," <u>SMPTE Journal</u> .
	"Window on the World" "The Home Information Revolution," <u>Business Week</u> , Jun. 29, 1981, pp. 74-83.

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Filing Date 6-Jun-95		Group 2602

### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	"Everything you've always wanted to know about TV RATINGS," A.C. Nielsen Company, brochure, 1978.
	"Management With The Nielsen Retail Index System," A.C. Nielsen Company, 1980.
	Wilson, Donald H., "A Process For Creating A National Legal Computer Research Service In The United States," remarks at the conference on <u>World Peace Through World Law and World Assembly of Judges</u> , Belgrade, Yugoslavia, Jul. 23, 1971.
	"Advanced Minicomputer-based Systems for Banking and Financial Institutions," Money Management Systems, Incorporated, brochure, 1980, 9 pages.
	New York Stock Exchange, Inc., Computer Input Services, Schedule of Monthly Charges, Aug. 1, 1981, 1 page.
	"How to increase training productivity through VIDEODISC and MICROCOMPUTER systems," seminar brochure, 1981.
	O'Donnell, John et al., "Videodisc Program Production Manual," SONY, 1981.
	"CAMP," Arbitron Cable, The Arbitron Company, product brochure, May 1980, 8 pages.
	Ferretti, Fred, "For Major-League Addicts, A Way to Win a Pennant," <u>The New York Times</u> , Jul. 8, 1980, 1 page.
	Christopher, Maurine, "BAR cable service set," <u>Advertising Age</u> , Sep. 21, 1981, pp. 68 & 72.
	"In this corner, DIGISONICS!", <u>Media Decisions</u> , June 1968, 5 pages.

Examiner	Date Considered
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	Filing Date 6-Jun-95	Group 2602

### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	"Did the ad run?", <u>Media Decisions</u> , July 1969, pp. 44 et seq.
	"DIGISONICS TV Monitor System Finds Defenders," <u>Advertising Age</u> , Dec. 8, 1969, 1 page.
	Dougherty, Philip, "Gathering Intelligence For Profit," newspaper article, 1981, p. D7.
	"Vidbits," <u>Advertising Age</u> , Sep. 21, 1981, p. 70.
	"Measuring The Cable Audience," Ogilvy & Mather, Advertising, 1980, pp. H1-H8.
	Cooney, John E., "Counting Cable's Gold Coins," <u>View</u> , Sep., 1981, 4 pages.
	"Cable TV Advertising," Paul Kogan Associates, Inc., No. 22, Feb. 18, 1981, 6 pages.
	"IDC begins monitoring," At Deadline, <u>Broadcasting</u> , Sep. 14, 1970, p. 9.
	"Contraband code," Closed Circuit, <u>Broadcasting</u> , Sep. 28, 1970, 1 page.
	"Listeners," Closed Circuit, <u>Broadcasting</u> , 1 page.
	"Digisonics violated standards, says BAR," <u>Broadcasting</u> , Oct. 5, 1970, pp. 21-23.
	"Talent pay code put off," At Deadline, <u>Broadcasting</u> , Nov. 9, 1970, p. 9.
	"Digisonics' Aim Is Info Bank, Not Just Proof of Performance," <u>Advertising Age</u> , Nov. 9, 1970, 4 pages.
	"Digisonics pushes its coding method," <u>Broadcasting</u> , Dec. 7, 1970, p. 37.
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	"No Digisonics friends show in comments," <u>Broadcasting</u> , May 24, 1971, p. 62.
	"Digisonics' dilemma," <u>Media Decisions</u> , June 1971, 6 pages.
	"IDC encoding system still alive at FCC," <u>Broadcasting</u> , Sep. 27, 1971, p. 31.
	Howard, Niles A., "IDC drops tv monitoring; mulls revival," reprint from <u>Advertising Age</u> , Feb. 3, 1975, 1 page.
	Russell, R.T. "Teletext remote control," part 1, <u>Wireless World</u> , April 1979, 4 pages.
	Russell, R.T. "Teletext remote control", part 2, <u>Wireless World</u> , May 1979, pp. 83-86.
	Pandey, K. "Second generation teletext and viewdata decoders," <u>Proceedings IEE</u> , Vol. 126, December 1979, pp. 1367-1373.
	Hedger, J. et al. "Telesoftware: adding intelligence to teletext," <u>Proceedings IEE</u> , Vol. 126, December 1979, pp. 1412-1416
	Sigel, Efrem et al. <u>Videotext: The Coming Revolution in Home/Office Information Retrieval</u> (White Plains, NY: Knowledge Industry Publications, Inc., 1980), pp. 6, 7, 13, 28, 33, 34, 36, 37.
	Roizen, Joseph. "Teletext in the USA," <u>SMPTE Journal</u> , Vol. 90, July 1981, pp. 602-610.
	Money, Steve A. <u>Teletext and Viewdata</u> (London: Butterworth & Co., Ltd., 1981), preface, pp. 1-145, glossary and index.
	Risher, Carol A. "Electronic Media and the Publishers, Part 1: Teletext," <u>Videodisc Videotex</u> , Vol. 1, No. 3, Summer 1981, pp. 162-167.

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Chew, J.R. "CEEFAX: evolution and potential," BBC Research Department Report No. BBC RD 1977/26, August 1977, table of contents, pp. 1-14 and appendix.
	Hedger, John. "Telesoftware: Home computing via teletext," <u>Wireless World</u> , November 1978, pp. 61-64.
	Anon. <u>VIDEOTEX '81</u> , International Conference & Exhibition, May 20-22, 1981, Toronto, Canada (Northwood Hills, UK: Online Conferences, Ltd; 1981), pp. 78-84.
	Winsbury, Rex, ed. <u>Viewdata in Action: A Comparative Study of Prestel</u> (London: McGraw-Hill, Ltd., 1981), pp. 10-12, 31, 35, 36, 57-61, 102, 103, 109, 202-204, 211-219.
	"Colloquium on Broadcast and Wired Teletext Systems - Ceefax, Oracle, Viewdata," Tuesday, 13 January 1976, IEE Electronics Division, Professional Group E14 (Television and Sound), Digest No. 1976/3.
	Anon. "Updating databases by off-peak TV," <u>New Scientist</u> , 21 October 1976, p. 162.
	Marti, Bernard. "New Ancillary Services Using a Television Channel," <u>SMPTE Journal</u> , Vol. 86, November 1977, pp. 815, 817, 818.
	Biggs, A.J. et al. "Broadcast data in television," <u>GEC Journal of Science and Technology</u> , Vol. 41, No. 4, 1974, pp. 117-124.
	Heuer, D.A. "A Microprocessor Controlled Memory Tuning System," <u>Consumer Electronics</u> , Vol. CE-25, No. 4, August 1979, pp. 677-683.
	Marti, Bernard et al. "ANTIOPE, service de télétexte," journal unk., pp. 17-22.
	Lipoff, Stuart J. "Mass Market Potential for Home Terminals," <u>Consumer Electronics</u> , vol. unk., pp. 169-184.

Examiner	Date Considered
<b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>Information Disclosure Statement by Applicant</b>	Attorney Docket No. 5634.261	Serial No. 08/470,571
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date 6-Jun-95	Group 2602

### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Crowther, G.O., "Adaptation of U.K. Teletext System for 525/60 Operation," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, Aug. 1980, pp. 587-599.
	Gosch, John, "Code accompanying TV program turns on video cassette recorder in proposed scheme," <u>Electronics</u> , Feb. 10, 1981, pp. 80-82.
	Somers, Eric, "Appropriate Technology for Text Broadcasting," <u>Viewdata and Videotext, 1980-81: A Worldwide Report</u> , Transcript of viewdata '80, first world conference on viewdata, videotex, and teletext, Knowledge Industry Publications, Inc., White Plains, New York, Copyright 1980 by Online Conferences, Ltd., pp. 499-514.
	Dages, Charles L., "Playable: A Technological Alternative for Information Services," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, Aug. 1980, pp. 482-486.
	Norris, Bryan L. et al., "Teletext Data Decoding," <u>IEEE Transactions on Consumer Electronics</u> , Aug. 1976, pp. 248-253.
	Kokado, N. et al., "A Programmable TV Receiver," <u>IEEE Transactions on Consumer Electronics</u> , Vol. 22, No. 1, Feb. 1976, pp. 69-83.

Examiner	Date Considered
<b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

PATENTS

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

**John C. Harvey and James W. Cuddihy** : Examiner:  
Serial No. 08/470,571 : Group Unit: 2602  
Filed 6-Jun-95 : Atty Dkt: 5634.261

For **SIGNAL PROCESSING APPARATUS AND METHODS**

**COPENDING RELATED U.S. PATENT APPLICATIONS**

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

<u>Application No.</u>	<u>Filing Date</u>	<u>Atty. Dkt.</u>
08/113,329	30-Aug-93	5634.008
08/397,371	2-March-95	5634.017
08/397,582	2-March-95	5634.010
08/397,636	2-March-95	5634.012
08/435,757	9-May-95	5634.036
08/435,758	9-May-95	5634.041
08/437,044	9-May-95	5634.047
08/437,045	9-May-95	5634.042
08/437,629	9-May-95	5634.044
08/437,635	9-May-95	5634.045
08/437,791	9-May-95	5634.040
08/437,819	9-May-95	5634.049
08/437,864	9-May-95	5634.038
08/437,887	9-May-95	5634.037
08/437,937	9-May-95	5634.048
08/438,011	9-May-95	5634.050
08/438,206	9-May-95	5634.039

08/438,216	9-May-95	5634.046
08/438,659	9-May-95	5634.043
08/439,668	15-May-95	5634.062
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08/440,837	15-May-95	5634.059
08/441,027	16-May-95	5634.053
08/441,033	15-May-95	5634.060
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08/441,942	16-May-95	5634.061
08/441,996	16-May-95	5634.086
08/442,165	16-May-95	5634.087
08/442,327	16-May-95	5634.083
08/442,335	16-May-95	5634.088
08/442,369	16-May-95	5634.055
08/442,383	16-May-95	5634.074
08/442,505	16-May-95	5634.084
08/442,507	16-May-95	5634.089
08/444,643	19-May-95	5634.111
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08/444,757	19-May-95	5634.103
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08/445,294	19-May-95	5634.119
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08/449,531	24-May-95	5634.176
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08/451,203	26-May-95	5634.079
08/451,377	26-May-95	5634.070
08/451,496	26-May-95	5634.057
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08/458,566	2-Jun-95	5634.230
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08/474,674	7-Jun-95	5634.319
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08/475,341	7-Jun-95	5634.160

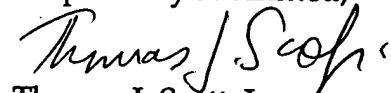
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08/477,660	7-Jun-95	5634.090
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08/478,107	7-Jun-95	5634.309
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08/478,663	7-Jun-95	5634.099
08/478,767	7-Jun-95	5634.316
08/478,794	7-Jun-95	5634.347
08/478,858	7-Jun-95	5634.351
08/478,864	7-Jun-95	5634.167
08/478,908	7-Jun-95	5634.313
08/479,042	7-Jun-95	5634.352
08/479,215	7-Jun-95	5634.358
08/479,216	7-Jun-95	5634.341
08/479,217	7-Jun-95	5634.093
08/479,374	7-Jun-95	5634.148
08/479,375	7-Jun-95	5634.326
08/479,414	7-Jun-95	5634.359
08/479,523	7-Jun-95	5634.365
08/479,524	7-Jun-95	5634.054
08/479,667	7-Jun-95	5634.192
08/480,059	7-Jun-95	5634.063
08/480,060	7-Jun-95	5634.227
08/480,383	7-Jun-95	5634.349
08/480,392	7-Jun-95	5634.310
08/480,740	7-Jun-95	5634.343
08/481,074	7-Jun-95	5634.190
08/482,573	7-Jun-95	5634.096
08/482,574	7-Jun-95	5634.210
08/482,857	7-Jun-95	5634.311
08/483,054	7-Jun-95	5634.195
08/483,169	7-Jun-95	5634.338
08/483,174	7-Jun-95	5634.251
08/483,269	7-Jun-95	5634.307
08/483,980	7-Jun-95	5634.066
08/484,275	7-Jun-95	5634.323
08/484,276	7-Jun-95	5634.092
08/484,858	7-Jun-95	5634.362

08/484,865	7-Jun-95	5634.348
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08/485,283	7-Jun-95	5634.199
08/485,507	7-Jun-95	5634.304
08/485,772	7-Jun-95	5634.332
08/485,775	7-Jun-95	5634.077
08/486,258	7-Jun-95	5634.357
08/486,259	7-Jun-95	5634.257
08/486,265	7-Jun-95	5634.228
08/486,266	7-Jun-95	5634.337
08/486,297	7-Jun-95	5634.331
08/487,155	7-Jun-95	5634.308
08/487,397	7-Jun-95	5634.250
08/487,408	7-Jun-95	5634.356
08/487,410	7-Jun-95	5634.314
08/487,411	7-Jun-95	5634.318
08/487,428	7-Jun-95	5634.363
08/487,506	7-Jun-95	5634.350
08/487,516	7-Jun-95	5634.094
08/487,526	7-Jun-95	5634.355
08/487,536	7-Jun-95	5634.097
08/487,546	7-Jun-95	5634.325
08/487,556	7-Jun-95	5634.321
08/487,565	7-Jun-95	5634.327
08/487,649	7-Jun-95	5634.344
08/487,851	7-Jun-95	5634.252
08/487,893	7-Jun-95	5634.191
08/487,980	7-Jun-95	5634.076
08/487,981	7-Jun-95	5634.196
08/487,982	7-Jun-95	5634.095
08/487,984	7-Jun-95	5634.346
08/488,032	7-Jun-95	5634.189
08/488,058	7-Jun-95	5634.322
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08/488,383	7-Jun-95	5634.166
08/488,436	7-Jun-95	5634.336
08/488,438	7-Jun-95	5634.235
08/488,439	7-Jun-95	5634.185
08/488,619	7-Jun-95	5634.317
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08/498,002	7-Jun-95	5634.345
08/511,491	6-Jun-95	5634.274

**REMARKS**

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

Respectfully submitted,



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